

29 DEC 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number
WO 2004/005766 A1

(51) International Patent Classification⁷: F16H 59/04

Andrew [GB/GB]; Eaton Truck Components Operations, European Engineering Centre, P.O. Box 11, Worsley Road North, Worsley, Manchester M28 5GJ (GB).

(21) International Application Number

PCT/GB2003/002873

(22) International Filing Date: 3 July 2003 (03.07.2003)

74) **Agent:** HARRISON GODDARD FOOTE; Orlando House, 11c Compstall Road, Marple Bridge, Stockport SK6 5HH (GB).

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

4 July 2002 (04.07.2002) GB

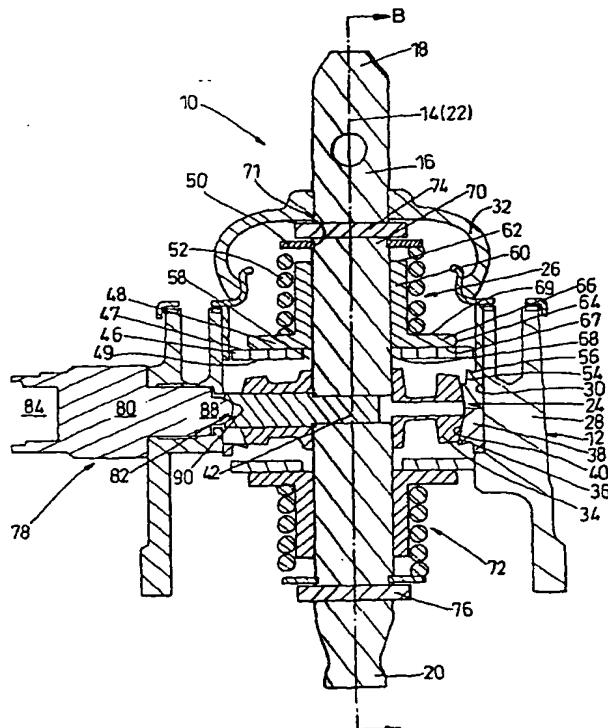
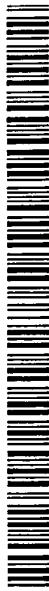
(71) **Applicant (for all designated States except US): EATON CORPORATION [US/US]; Eaton Center, 111 Superior Avenue, Cleveland, OH 44114-2584 (US).**

81) **Designated States (national):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: A SHIFT LEVER MECHANISM



(57) Abstract: A shift lever mechanism (10) comprises a housing (12), having a longitudinal axis (14), and a lever (16), having a first end (18), a second end (20) and a longitudinal axis (22). The mechanism (10) further comprises pivoting means (24) and biasing means (26). The pivoting means (24) is attached to the lever (16) and is disposed in a retaining cup (38), being operable to pivot therein. The retaining cup (38) is disposed in the housing (12). The biasing means (26) is disposed on the lever (16) and is operable to provide a biasing force on the lever (16) to urge it into a predetermined position.

WO 2004/005766 A1